

**LIPOOLIGOSACCHARIDE-BASED VACCINE FOR PREVENTION OF  
*MORAXELLA (BRANHAMELLA) CATARRHALIS* INFECTIONS IN HUMANS**

Abstract of the Disclosure

A conjugate vaccine for *Moraxella (Branhamella) catarrhalis* comprising isolated lipooligosaccharide from which esterified fatty acids have been removed, to produce a detoxified lipooligosaccharide (dLOS), or from which lipid A has been removed, to produce a detoxified oligosaccharide (OS), which is linked to an immunogenic carrier. The vaccine is useful for preventing otitis media and respiratory infections caused by *M. catarrhalis* in mammals, including humans.

**PATENT**

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